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United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

MARCH-APRIL, 1933

Any of the publications listed herein may be purchased from the Superintendent of Documents, Government Printing Office, Washington, D. C. As his office is not connected with the Department and as the Department does not sell publications, please send no remittance to the United States Department of Agriculture.

GENERAL PUBLICATIONS

FARMERS' BULLETINS

- Testing farm seeds in the home and in the rural school (F.B. 428F., rev.). Price, 5¢.
- Potato storage and storage houses (F.B. 847F., rev.). Price, 5¢.
- Breeds of light horses (F.B. 952F., rev.). Price, 5¢.
- Strawberry culture: Western United States (F.B. 1027F., rev.). Price, 5¢.
- Diseases of sheep (F.B. 1155F., rev.). Price, 5¢.
- Seed potatoes and how to produce them (F.B. 1332F., rev.). Price, 5¢.
- Black walnut for timber and nuts (F.B. 1392F., rev.). Price, 5¢.
- Currants and gooseberries: Their culture and relation to white-pine blister rust (F.B. 1398F., rev.). Price, 5¢.
- Turkey raising (F.B. 1409F., rev.). Price, 5¢.
- Udder diseases of dairy cows (F.B. 1422F., rev.). Price, 5¢.
- Small concrete construction on the farm (F.B. 1480F., rev.). Price, 5¢.
- The chinch bug and how to fight it (F.B. 1498F., rev.). Price, 5¢.
- Farm poultry raising (F.B. 1524F., rev.). Price, 5¢.
- Clearing land of brush and stumps (F.B. 1526F., rev.). Price, 5¢.
- Farm budgeting (F.B. 1564F., rev.). Price, 5¢.
- Growing root crops for livestock (F.B. 1699F.). Price, 5¢.

LEAFLETS

- Protect hardwood stands from grazing (Leaf. 86L). Price, 5¢.
- Controlling stomach worms in sheep and lambs (Leaf. 89L, rev.). Price, 5¢.
- Hints on mountain-lion trapping (Leaf. 94L). Price, 5¢.

TECHNICAL BULLETINS

- Distinctive effects of the deficiency of certain essential elements on the growth of tobacco plants in solution cultures (T.B. 340T). Price, 5¢.
- Causes of brashness in wood (T.B. 342T). Price, 5¢.
- Specific gravity and related properties of softwood lumber (T.B. 343T). Price, 5¢.
- Biology and morphology of the spindle worm, or elder borer (T.B. 345T). Price, 5¢.
- The effect of concentration on the toxicity of chemicals to living organisms (T.B. 346T). Price, 5¢.
- An economic study of broomcorn production (T.B. 347T). Price, 5¢.
- Analysis of the advanced registry records of 611 daughters of 51 Ayrshire sires (T.B. 349T). Price, 5¢.

- Sudan grass as hay, silage, and pasture for dairy cattle (T.B. 352T). Price, 5¢.
 Farmers' response to price in hog production and marketing (T.B. 359T). Price, 5¢.

CIRCULARS

- Parasites and parasitic diseases of horses (Cir. 148C, rev.). Price, 5¢.
 American tobacco types, uses, and markets (Cir. 249C). Price, 15¢.
 Outlines of cotton culture in the San Joaquin Valley of California (Cir. 256C). Price, 5¢.
 Operation and management of milk plants (Cir. 260C). Price, 5¢.
 Mechanical application of fertilizers to cotton in South Carolina, 1931 (Cir. 264C). Price, 5¢.
 Conserving food value, flavor, and attractiveness in cooking vegetables (Cir. 265C). Price, 5¢.
 Golden Cross Bantam sweet corn (Cir. 268C). Price, 5¢.

MISCELLANEOUS PUBLICATIONS

- Workers in subjects pertaining to agriculture in State agricultural colleges and experiment stations, 1932-33 (M.P. 154MP). Price, 10¢.

STATISTICAL BULLETINS

- Cold-storage holdings, year ended December 31, 1931, with comparable data for earlier years (S.B. 39.). Price, 5¢.

SOIL SURVEYS

- Iowa, Calhoun County (No. 2, Series 1930). Price, 20¢.
 Maryland, Kent County (No. 3, Series 1930). Price, 35¢.
 Massachusetts, Franklin County (No. 9, Series 1929). Price, 35¢.
 New York, Suffolk and Nassau Counties (No. 28, Series 1928). Price, 70¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

- Order to prevent the introduction into the United States of rinderpest and foot-and-mouth disease.—Effective February 15, 1933 (amendment 1 to B.A.I. Order 334). Price, 5¢.
 Index to Service and Regulatory Announcements, January-December 1932. Bureau of Animal Industry. Price, 5¢.
 Information, instructions, rulings, etc., concerning the work of the Bureau of Animal Industry, January 1933. (S.R.A.-B.A.I. 309.)
 ——— February 1933. (S.R.A.-B.A.I. 310.)
 ——— March 1933. (S.R.A.-B.A.I. 311.)
 Price, 5¢ each.
 Notices of judgment under the Caustic Poison Act. (N.J., C.P. 8-11.)¹
 Notices of judgment under the Food and Drug Act (N.J., F.D. 19676-19850).¹
 Notices of judgment under the Insecticide Act (N.J., I.F. 1246-1260).
 Standards under the Tea Act (S.R.A., T. No. 7).¹
 Quarantine on account of the European corn borer and other dangerous insects and plant diseases with revised regulations. Effective March 1, 1933 (B.P.Q.-Q. 41).¹

¹ These may be obtained from the issuing bureau.

Japanese beetle quarantine. Revision of quarantine and regulations. Effective January 1, 1933 (B.P.Q.-Q. 48).¹

Modification of pink bollworm quarantine regulations. Revision of regulation 3, effective February 28, 1933. (B.P.Q.-Q 52).¹

Seed or paddy rice. Revision of quarantine and regulations. Effective July 1, 1933 (B.P.Q.-Q. 55).¹

Notice of lifting phony peach disease quarantine. Effective March 1, 1933 (B.P.Q.-Lifting Q. 67).¹

Packing materials quarantine. Notice of quarantine with regulations. Effective July 1, 1933 (B.P.Q.-Q. 69).¹

Service and Regulatory Announcements, October-December, 1932, Bureau of Plant Quarantine (S.R.A.-B.P.Q. No. 113).¹

OTHER PUBLICATIONS

Report of the Chief of the Weather Bureau, 1931-32. Price, \$1.25 (buckram).

The naval stores station (folder). Price, 5¢.

PERIODICALS

Periodicals may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 17, nos. 3-4; March 1 to April 1, 1933. Price, 5¢ a copy; 25¢ a year, domestic; 40¢ a year, foreign.

Crops and markets. Vol. 10, no. 2, February; no. 3, March 1933. Price, 5¢ a copy; 60¢ a year, domestic; 85¢ a year, foreign.

Daily weather maps. Limited editions. Not for general distribution.

Price, daily except Sundays and holidays, 25¢ a month, \$3 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States; 20¢ a month, \$2.40 a year.

Experiment station record. General Index, vols. 51-60, 1924-29. Price, 60¢.

Vol. 6S, nos. 3-4; March to April, 1933. Single number for sale only. Price, 10¢.

Extension service review. Vol. 4, no. 2. March 1933. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 75¢ a year, foreign.

Forest worker. Vol. 9, no. 2, March 1933. Price, 5¢ a copy; 25¢ a year, domestic; 35¢ a year, foreign.

Journal of agricultural research. Price, \$2.25 a year, domestic; \$3.50 a year, foreign. Not distributed free to individuals. Each issue, price, 10¢.

—— Contents and Index, vol. 45, July 1-December 15, 1932. Price, 5¢.

—— Vol. 46, no. 2. Illus. January 15, 1933.

Contents:

Comparative serological and pathological investigations of the fire-blight organism and a pathogenic, fluorescent group of bacteria. Key no., Ark-18. Price, 5¢.

Chemical transformations of phosphorus in the growing corn plant, with results on two first-generation crosses. Key no., Ill-50. Price, 5¢.

The biology of *Opus melleus* Gahan, a parasite of the blueberry maggot. Key no. K-233. Price, 5¢.

Base-exchange modifications of a Leonardtown silt loam under fertilizer and crop control. Key no., H-23. Price, 5¢.

Observations on a severe outbreak of mycosis in chicks. Key no., Conn. (Storrs)-3. Price, 5¢.

The effect of different soaps on lead arsenate in spray mixtures. Key no., N.J.-24. Price, 5¢.

A method for determining the specificity of the intracellular globulin of *Fusarium lini*. Key no., N.Dak.-6. Price, 5¢.

¹ These may be obtained from the issuing bureau.

— Vol. 46, no. 3. Illus. February 1, 1933.

Contents:

- Psyllid yellows of the potato. Key no., Utah-30. Chromosomes in *Gossypium* and related genera. Key no., G-832. Price, 5¢.
 The vitamin A content of alfalfa as affected by exposure to sunshine in the curing process. Key no., Ariz.-7. Price, 5¢.
 The antirachitic value of alfalfa as affected by exposure to sunshine in the curing process. Key no., Ariz.-8. Price, 5¢.
 Infection of corn plants by *Physoderma zeae-maydis* Shaw. Key no., Fla.-6. Price, 5¢.
 The distribution of nitrogen in tobacco when the supplies of nitrogen and of light are varied during the growing period. Key no., Mass.-34. Price, 5¢.
 Studies on the dissociation of the *Brucella* group. Key no., Mich.-19. Price, 5¢.
 Effects of formaldehyde *Ceratostomella fimbriata* and the sweetpotato. Key no., N.C.-29. Price, 5¢.

— Vol. 16, no. 4. Illus. February 15, 1933.

Contents:

- Efficacy and safety of abortion vaccines prepared from *Brucella abortus* strains of different degrees of virulence. Key no., A-154. Price, 5¢.
 Efficacy of an avirulent strain of *Brucella abortus* for vaccinating pregnant cattle. Key no., A-155. Price, 5¢.
 Biology of the flour beetles, *Tribolium confusum* Duv. and *T. ferrugineum* Fab. Key no., K-234. Price, 5¢.
Hyposoter disparis Viereck, an introduced Ichneumonid parasite of the gipsy moth. Key no., K-235. Price, 5¢.
 Curved-line relationships between certain short-period egg yields and annual egg production in Single-Comb White Leghorn fowls. Key no., N.J.-25. Price, 5¢.
 Inheritance in Albit wheat of resistance to bunt, *Tilletia tritici*. Key no., Oreg.-18. Price, 5¢.
 The vitamin C content of the Winesap apple as influenced by fertilizers. Key no., Wash.-18. Price, 5¢.
 Yield and chemical composition of certain pasture crops, fertilized and unfertilized. Key no., Wash.-19. Price, 5¢.

— Vol. 46, no. 5. Illus. March 1, 1933.

Contents:

- Composition of rhubarb at different stages of maturity in relation to its use in cooking and canning. Key no., G-834. Price, 5¢.
 Progressive changes in the cuticle of apples during growth and storage. Key no., G-835. Price, 5¢.
 Inheritance of bunt reaction and other characters in Hope wheat crosses. Key no., G-836. Price, 5¢.
Rhabditis lambdiensis, a nematode possibly acting as a disease agent in mushroom beds. Key no., G-837. Price, 5¢.
 Elimination of natural mortality as a factor in determining the effectiveness of hydrocyanic acid gas on the California red scale. Key no., K-236. Price, 5¢.
 The possible effect of hydrogen-ion concentration on the absorption of potassium and phosphorus by wheat plants under field conditions. Key no., E-52. Price, 5¢.
 Germination of the seed of farm crops in Colorado after storage for various periods of years. Key no., Colo.-7. Price, 5¢.
 The relative digestibility by rats of the milk of five breeds of dairy cattle. Key no., Ill.-51. Price, 5¢.
 The carbon metabolism of *Fusarium oxysporum* on glucose. Key no., Pa.-41. Price, 5¢.

Monthly weather review. Vol. 60, no. 12, December 1932; vol. 61, no. 1, January 1933. Illus. Price, 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign. Not for general distribution.

Public roads. Vol. 14, no. 1, March 1933. Price, 10¢ a copy, \$1 a year, domestic; \$1.50 a year, foreign.

The official record. Vol. 11, Index, January 2–December 31, 1932. Price, 5¢; vol. 12, nos. 9–16, March 4–April 22, 1933. Price, 5¢ a copy; 50¢ a year, domestic; \$1.10 a year, foreign.

Weekly weather and crop bulletin. Nos. 9–17, February 28–April 25, 1933. Price, 50¢ a year, domestic; \$1 a year, foreign.

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